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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Heather A. Boux *et al.*

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Title : COMPOSITIONS AND METHODS FOR DETECTING STRESS-INDUCIBLE PROTEINS

Commissioner for Patents  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

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Prior to examination, please amend the application as follows.

In the specification:

Replace the paragraph beginning at page 4, line 3, with the following paragraph.

-- The invention also features peptides that correspond to, or are antigenically equivalent to, regions of the Hsp70B' protein. The peptide can consist of five or more (*e.g.*, 5, 6, 7, 8, 10, or 12) consecutive amino acids from Hsp70B' protein (beginning at the second, fourth, sixth, or eighth residue), such as the following amino acid sequences:

(1) VPGGSSCGTQARQGDPSTGPI (SEQ ID NO:1) (*e.g.*, CGTQARQGDPSTGPI (SEQ ID NO:2) and CGTQARQGDPST (SEQ ID NO:3)); (2) RDKIPEEDRRKMQDKC (SEQ ID NO: 4) (*e.g.*, RDKIPEEDRRKM (SEQ ID NO:5); when these peptides are linked to keyhole limpet hemocyanin (KLH), they can include cysteine residues); (3) AHVFHVKGSLQEESLRDKIPEEDRRKM (SEQ ID NO:6) (*e.g.*, AHVFHVKGSLQEES (SEQ ID NO:7); (4) MQAPRELAVGID (SEQ ID NO:8), which is located in the N-terminal of Hsp70B' and, when linked to KLH includes a cysteine residue (*i.e.*, MQAPRELAVGID(C) (SEQ ID NO:9)); (5) GSLQEESLRDKIPEE (SEQ ID NO:10). --

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